

# Prohibited And Restricted Substance 禁用及限用物质清单

Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC编号	Hazard 危害	Application 应用
REACH (The first Batch)	1	Anthracene 蒽	1000	All products	120-12-7	204-371-1	Carcinogenic 致癌	Insecticides, weed killer, wood preservatives, coloured glass, dyeing and printing 杀虫剂、除草剂、木材防腐剂、涂彩杯子、染料和颜料
	2	4,4'- Diaminodiphenylmethane 4,4'-二氨基二苯基甲烷	1000	All products	101-77-9	202-974-4	Carcinogenic 致癌	Curing agent for epoxy resin in PCB, preparation of PU, azo dyes in garments PCB 环氧树脂的固化剂、PU 配制品、服装中的偶氮染料。
	3	Dibutyl phthalate 邻苯二甲酸二丁酯	1000	All products	84-74-2	201-557-4	Toxic for reproduction 致生殖毒性	Plasticizer in adhesive and paper coatings; insect repellent for textiles 粘合剂和纸张涂层的增塑剂，纺织品中的杀虫
	4	Cobalt dichloride 二氯化钴	1000	All products	7646-79-9	231-589-4	Toxic for reproduction 致生殖毒性	Mainly used as intermediate in the manufacture of other cobalt compounds, in tyre adhesion additives, organic textile dyes, and drying agents for paints. Furthermore it is used in surface treatment processes, as water treatment /corrosion inhibition chemical, as colourant or for discolouring in the production of inorganic pigments & frits, glass, and ceramic ware, in varistors and magnets, as well as in humidity indicators. 生产其他钴化合物的中间体，轮胎附着剂，有机纺织染料，涂料干燥剂。此外，它是用来在表面处理过程中，作为水处理/缓蚀化学色素或无机颜料与釉料，玻璃，陶瓷产品的生产，湿度指示剂
	5	Diarsenic pentaoxide 五氧化二砷	1000	All products	1303-28-2	215-116-9	Carcinogenic 致癌	Insecticides, weed killer, wood preservatives, coloured glass, dyeing and printing 杀虫剂、除草剂、木材防腐剂、涂彩杯子、染料和颜料
	6	Diarsenic trioxide 三氧化二砷	1000	All products	1327-53-3	215-481-4	Carcinogenic 致癌	Weed killers, timber preservatives, 除草剂、木材防腐剂、特殊玻璃的加工
	7	Sodium dichromate 重铬酸钠	1000	All products	7789-12-0 10588-01-9	234-190-3	CMR 致癌、致突变、致生殖毒性	Chrome-tanning of leather, corrosion inhibitor in paints, mordant in textile dyeing process 皮革中的铬鞣，颜料阻蚀剂，纺织染料工业中的媒染剂
	8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) 2,4,6-三硝基-3,3-二甲基-5-叔丁基苯（二甲苯麝香）	1000	All products	81-15-2	201-329-4	vPvB	Cosmetics and soap 化妆品和皂用香料。
	9	Bis (2-ethyl(hexyl)phthalate) (DEHP) 邻苯二甲酸(2-乙基己基酯)	1000	All products	117-81-7	204-211-0	Toxic for reproduction 生殖毒性	Plasticizer for resin, PVC, blister PVC，树脂等塑料制品的增塑剂
	10	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified α-HBCDD,β-HBCDD,γ-HBCDD)(六溴环十二烷)	1000	All products	25637-99-4 and 3194-55-6(134237-51-7,134237-50-6,1342337-52-8)	247-148-4 and 221-695-9	PBT 持久性，生物累积性和毒性的物质	Flame retardant used in HIPS and textiles 纺织品和HIPS 中的阻燃剂
	11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 短链型C10-13氯化石蜡	1000	All products	85535-84-8	287-476-5	PBT 持久性，生物累积性和毒性的物质	Leather coating, plasticizer in PVC and chlorinated rubber, flame retardant in plastic & textiles 皮革中的涂层、PVC 和氯化橡胶中的增塑剂，纺织品和塑料的阻燃剂
	12	Bis(tributyltin)oxide 三丁基氧化锡	1000	All products	56-35-9	200-268-0	PBT 持久性，生物累积性和毒性的物质	Pesticide, fungicide in paint 杀虫剂，涂料中的杀真菌剂
	13	Lead hydrogen arsenate 磷酸氢铅	1000	All products	7784-40-9	232-064-2	Carcinogenic, toxic for reproduction 致癌及生殖毒性	Insecticides 驱虫剂

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	14	Triethyl arsenate 三乙基砷酸酯	1000	All products	15606-95-8	427-700-2	Carcinogenic 致癌	Intermediates for semi-conductor 半导体的中间产物
	15	Benzyl butyl phthalate 邻苯二甲酸丁苄酯	1000	All products	85-68-7	201-622-7	Toxic for reproduction 生殖毒性	Plasticizer for resin, PVC, acrylics 用作树脂、PVC、丙烯酸树脂的增塑剂
REACH (The second Batch)	16	Anthracene oil 蒽油	1000	All products	90640-80-5	292-602-7	PBT & vPvB	Mainly in the manufacture of other substances, such as refined anthracene, carbon black, restore promoter, part of the fuel 主要用于制造其他物质, 如提炼蒽、碳黑, 也用于炸药的还原促进剂, 作为燃料的组成部分以及海洋捕捞、防腐。
	17	Anthracene oil, anthracene paste. distn. Lights(蒽油, 蒽糊, 轻油)	1000	All products	91995-17-4	295-278-5	PBT & vPvB	
	18	Anthracene oil, anthracene paste, anthracene fraction 蒽油, 蒽糊, 蒽馏分	1000	All products	91995-15-2	295-275-9	PBT & vPvB	
	19	Anthracene oil, anthracene-low 蒽油, 含蒽量少	1000	All products	90640-82-7	292-604-8	PBT & vPvB	
	20	Anthracene oil, anthracene paste 蒽油, 蒽糊	1000	All products	90640-81-6	292-603-2	PBT & vPvB	
	21	Pitch, coal tar, high temp. 高温煤焦油沥青	1000	All products	65996-93-2	266-028-2	vPvB	Paint, moisture seal 涂料, 防潮层
	22	Acrylamide 丙烯酰胺	1000	All products	79-06-1	201-173-7	CMR 致癌、致突变、致生殖毒性	Synthesis of Polyacrylamide: for waste water treatment and paper processing, as a filling agent for textile processing. 合成聚丙烯酰胺:用于废水处理及纸张加工, 作灌浆剂, 用于纺织品加工。
	23	2,4-Dinitrotoluene 2, 4-二硝基甲苯	1000	All products	121-14-2	204-450-0	CMR 致癌、致突变、致生殖毒性	Manufacture of explosives, polyurethane plastics, organic synthesis, dyes 用于制造炸药、聚氨酯塑料、有机体合成和染料
	24	Diisobutyl phthalate 邻苯二甲酸二异丁酯	1000	All products	84-69-5	201-553-2	CMR 致癌、致突变、致生殖毒性	Plasticizer 增塑剂
	25	Lead chromate 铬酸铅	1000	All products	7758-97-6	231-846-0	CMR 致癌、致突变、致生殖毒性	Used as additives for painting and coatings, printing inks and in plastics 用作涂料, 颜料和塑料的添加剂
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) 铅铬红 (C.I.颜料红104)	1000	All products	12656-85-8	235-759-9	CMR 致癌、致突变、致生殖毒性	Used as colorant in painting, printing inks and plastic 涂料、颜料和塑料的着色剂	
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34) 铅铬黄 (C.I.颜料黄34)	1000	All products	1344-37-2	215-693-7	CMR 致癌、致突变、致生殖毒性	Used as colorant in painting, printing inks, rubber and plastic 涂料、颜料、橡胶和塑料的着色剂	
28	tris(2-chloroethyl)phosphate 磷酸三(2-氯乙基)酯	1000	All products	115-96-8	204-118-5			
REACH (The third batch)	29	Trichloroethylene 三氯乙烯	1000	All products	79-01-6	201-167-4	Carcinogenic 致癌	Metal parts cleaning and degreasing; binder in the solvent; production of chlorinated and fluorinated organic compounds Media. 金属部件的清洁及脱脂; 粘和剂中的溶剂; 生产氯化物和氟化有机化合物的介质。
	30	Boric acid 硼酸	1000	All products	10043-35-3 11113-50-1	233-139-2/ 234-343-4	Toxic for reproduction 生殖毒性	For pesticides, preservatives, personal care products, food additives, glass, ceramics, rubber, fertilizer, flame retardants, paints, industrial fluids, brake fluids, welding products, printing agent. 用于: 杀虫剂, 防腐剂, 个人护理产品, 食品添加剂, 玻璃, 陶瓷, 橡胶, 化肥, 阻燃剂, 油漆, 工业流体, 制动液, 焊接产品, 冲印剂。
	31	Disodium tetraborate anhydrous 无水四硼酸钠	1000	All products	1303-96-4 1330-43-4 12179-04-3	1330-43-4 12179-04-3 1303-96-4	Toxic for reproduction 生殖毒性	For glass, glass fiber, ceramics, detergents, personal care products, industrial fluids, metallurgy, bonding materials, flame retardants, pesticides, fertilizers. 用于: 玻璃, 玻璃纤维, 陶瓷, 清洁剂, 个人护理产品, 工业流体, 冶金术, 粘接材料, 阻燃剂, 杀虫剂, 化肥。
	32	Tetraboron disodium heptaoxide hydrate 七水合四硼酸钠	1000	All products	12267-73-1	12267-73-1	Toxic for reproduction 生殖毒性	
	33	Sodium chromate 铬酸钠	1000	All products	7775-11-3	231-889-5	CMR 致癌、致突变、致生殖毒性	Laboratory analytical reagents, production of other chromium compounds. 实验室分析试剂, 生产其它铬化合物。

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	34	Potassium chromate 铬酸钾	1000	All products	7789-00-6	7789-00-6	Carcinogen and mutagen 致癌、致基因 突变	Used as a corrosion inhibitor for treatment and coating of metals, for manufacture of reagents, chemicals and textiles, as a colouring agent in ceramics, in the manufacture of pigments/inks and in the laboratory as analytical agent. 瓷染色剂, 羽毛染色, 制革及敷料, 生产颜料及墨水, 实验室分析试剂, 烟火制造。
	35	Ammonium dichromate 重铬酸铵	1000	All products	7789-09-5	2151163	CMR 致癌、致突变、 致生殖毒性	Mainly used as an oxidising agent. Other known uses are in the manufacture of photosensitive screens and as mordant in the manufacture of textiles. Minor uses seem to comprise metal treatment and laboratory analytical agent 氧化剂, 实验室(分析试剂), 鞣皮, 生产纺织品, 感光胶片的生产(阴极射线管), 金属处理
	36	Potassium dichromate 重铬酸钾	1000	All products	7778-50-9	7778-50-9	CMR 致癌、致突变、 致生殖毒性	Used for chrome metal manufacturing and as corrosion inhibitor for treatment and coating of metals. It is further used as textile mordant, as laboratory analytical agent, for cleaning of laboratory glassware, in the manufacture of other chromium metal products, leather tanning, textile dyes, laboratory analysis reagents, laboratory glassware cleaning, other reagent production and photographic light oxidizing agent. 用于铬金属制造, 腐蚀抑制剂, 纺织品媒染剂, 实验室分析剂, 实验室玻璃器皿清洗, 其他试剂生产和照片曝光氧化剂。
REACH (The fourth batch)	37	Cobalt sulfate 硫酸钴	1000	All products	10124-43-3	233-334-2	Carcinogenic and toxic to reproduction 致癌和致生殖 毒性	Used in ceramic glazes and paint driers, also used in electroplating, alkaline batteries, the production of chromium pigments and other products, but also for catalysts, reagents, feed additives, adhesives tires. 用于陶瓷釉料和油漆催干剂, 也用于电镀、碱性电池、生产含铬颜料和其它铬产品, 还用于催化剂、分析试剂、饲料添加剂、轮胎胶黏剂
	38	Cobalt dinitrate 硝酸钴	1000	All products	10141-05-6	233-402-1	Carcinogenic and toxic to reproduction 致癌和致生殖 毒性	Mainly used in the manufacture of other chemicals including catalysts. Further applications may include surface treatment and in batteries. 用于催化剂等其他化合物的生产, 电池, 表面处理, 陶瓷工业
	39	Cobalt carbonate 碳酸钴	1000	All products	513-79-1	208-169-4	Carcinogenic and toxic to reproduction 致癌和致生殖 毒性	For the production of catalysts, pigments, ceramics, glass, paint, feed, fertilizer. 用于生产催化剂, 颜料、陶瓷、玻璃颜料、饲料、肥料。
	40	Cobalt diacetate 醋酸钴	1000	All products	71-48-7	200-755-8	Carcinogenic and toxic to reproduction 致癌和致生殖 毒性	Mainly used for magnetic materials, electronic components materials, carbide materials, ceramic, enamel, ceramic glaze, glass, cobalt catalyst. 主要用于磁性材料、电子元件材料、硬质合金材料、搪瓷、瓷釉、陶瓷、釉彩、玻璃、钴催化剂等。
	41	2-Methoxyethanol 2-甲氧基乙醇	1000	All products	109-86-4	203-713-7	Toxic to reproduction 致生殖毒性	Solvents, varnish thinners, printing and dyeing industry as a penetrant and leveling agent, used as an additive fuel industry, the textile industry for dyeing auxiliaries. 溶剂, 清漆的稀释剂, 印染工业用作渗透剂和匀染剂, 燃料工业用作添加剂, 纺织工业用于染色助剂。

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	42	2-Ethoxyethanol 2-乙氧基乙醇次	1000	All products	110-80-5	203-804-1	Toxic to reproduction 生殖毒性	Used as solvent, and the leather coloring agents, emulsifiers, stabilizers, paint thinner, paint remover, organic intermediates. 用作溶剂, 以及皮革着色剂、乳化剂、稳定剂、涂料稀释剂、脱漆剂、有机中间体等。
	43	Chromium trioxide 三氧化铬)	1000	All products	1333-82-0	215-607-8	Carcinogenic and mutagenic 致癌和致突变	Used in electroplating, production of high purity chromium, dyes, synthetic rubber and oil refining, water, wood preservatives fixative. 用于电镀、制高纯金属铬、染料、合成橡胶及油脂精炼等, 水中木料防腐剂的固色剂。
	44	Chromic acid 三氧化二铬及其低聚物产生的酸酐 Dichromic acid 二铬酸、铬酸及二铬酸的低聚物	1000	All products	7738-94-5 13530-68-2	231-801-5 236-881-5	Carcinogenic 致癌	For metal surface treatment, such as acid, Oligomers of chromic acid and dichromic acid electroplating, softening film, brightening agent. Wood preservatives as a fixing agent. May also be used as paints, pigments, catalysts, detergent production, as well as oxidants. 用于金属表面处理, 如电镀, 软化膜, 增亮剂。也作为水中使用的木料防腐剂的固色剂。还可能用作油漆, 色粉, 催化剂, 洗涤剂的生产, 以及用作氧化剂。
REACH (The fifth batch)	45	2-Ethoxyethyl acetate 乙二醇乙醚乙酸酯	1000	All products	111-15-9	203-839-2	Toxic for reproduction 生殖毒性	Paint, paint solvents; chemical intermediates; plastics and rubber coatings. 涂料、油漆中的溶剂; 化工中间体; 塑料和橡胶涂料。
	46	Strontium chromate 铬酸锶	1000	All products	7789/6/2	232-142-6	Carcinogenic 致癌	Chrome plating; pigments and metal corrosion inhibitor; PVC colorants, automotive coatings. 电镀铬; 颜料和金属缓蚀剂; PVC 着色剂, 汽车涂层。
	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) 邻苯二甲酸二(C7-11支链与直链)烷基酯(DHNUP)	1000	All products	68515-42-4	271-084-6	Toxic for reproduction 生殖毒性	Plastics, sealants and adhesives plasticizer. 塑料、密封胶和胶剂中的增塑剂。
	48	Hydrazine 联氨	1000	All products	7803-57-8, 302-01-2	206-114-9	Carcinogenic 致癌	用于制造异烟肼、照相显影药剂、喷气式发动机燃料、火箭燃料、抗氧化剂、还原剂、高压锅炉给水脱氧剂等。 For the manufacture of isoniazid, photographic developing agents, jet fuel, rocket fuel, antioxidants, reducing agents, high-pressure boiler feed water deoxidation age.
	49	1-Methyl-2-pyrrolidone 甲基-2-吡咯烷酮	1000	All products	872-50-4	212-828-1	Toxic for reproduction 生殖毒性	oil refining, synthetic polymers, insulation materials, pesticides, paints and cleaning agents. 用于高级润滑油精制、聚合物的合成、绝缘材料、农药、颜料及清洗剂等
	50	1,2,3-Trichloropropane 1,2,3-三氯丙烷	1000	All products	96-18-4	202-486-01	Carcinogenic & toxic for reproduction 致癌及生殖毒性	Intermediate production of organic chlorine solvents; polymer and crosslinking agent in rubber production; for removal of paint, varnish, grease removal. 生产有机氯溶剂的中间体; 聚合物和橡胶生产中的交联剂; 用于清除油漆, 清漆, 以及去除油脂。
	51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) 邻苯二甲酸二(C6-8支链)烷基酯, 富C7	1000	All products	71888-89-6	276-158-1	Toxic for reproduction 生殖毒性	PVC, coatings, printing inks plasticizer. PVC, 涂层, 印刷油墨中的增塑剂。
	52	Dichromium tris(chromate) 铬酸铬	1000	All products	24613-89-6	246-356-2	Carcinogenic 致癌	Mainly used in mixtures for metal surface treatment in the aeronautic/aerospace, steel and aluminium coating sectors. 主要用于航空/航空航天, 钢铁和铝的涂料行业的金属表面处理的混合物。

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REACH (The sixth batch)	53	Potassium hydroxyoctaoxodizincatedichromate 氢氧化铬酸 钾	1000	All products	11103-86-9	234-329-8	Carcinogenic 致癌	Mainly used in coatings in the aeronautic/aerospace, steel and aluminium coil coating 主要用于涂料, 航空/航天, 钢铁和铝卷材涂料和汽车涂料行业。
	54	Pentazinc chromate octahydroxide 锌黄	1000	All products	49663-84-5	256-418-0	Carcinogenic 致癌	Mainly used in coatings in the vehicle coating and aeronautic / aerospace sectors. 主要用于涂料, 汽车涂料和航空/航天部门
	55	Aluminosilicate Refractory Ceramic Fibers(RCF) 硅酸铝耐火陶瓷纤维(RCF)	1000	All products	-	-	Carcinogenic 致癌	Used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment). 耐火陶瓷纤维用于高温隔热, 几乎完全是在工业应用 (工业窑炉和设备, 绝缘设备, 汽车和飞机/航空航天产业), 防火 (建筑和工业加工设备)。
	56	Zirconia Aluminosilicate Refractory Ceramic Fibers 氧化锆 硅酸铝耐火陶瓷纤维(Zr-RCF)	1000	All products	-	-	Carcinogenic 致癌	Used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment). 用于高温隔热, 几乎完全是在工业应用 (工业窑炉和设备, 绝缘设备, 汽车和飞机/航空航天产业), 防火 (建筑和工业加工设备)。
	57	Formaldehyde,oligomeric reaction products with aniline (technical MDA) 甲醛与苯胺的聚合物	1000	All products	25214-70-4	500-036-1	Carcinogenic 致癌	Mainly used for manufacture of other substances. Minor uses are as hardener for epoxy resins, e.g. for the production of rolls, pipes and moulds, and as well for adhesives. 主要用于制造其他物质。次要用途是作为固化剂, 环氧树脂, 例如卷, 管道和模具, 以及用于胶粘剂的生产。
	58	Bis (2-methoxyethyl) phthalate 邻苯二甲酸二甲氧乙酯	1000	All products	117-82-8	204-212-6	Toxic for reproduction 生殖毒性	Cellulose acetate is mainly used as plasticizers, are also used as gas chromatography stationary phase, triacetate film base sensitizers and solvents. 主要用作乙酸纤维素的增塑剂, 也用作气相色谱固定液、三乙酸片基的增感剂和溶剂。
	59	2-Methoxyaniline;o-Anisidine 邻甲氧基苯胺	1000	All products	90-04-0	201-963-1	Carcinogenic 致癌	Used as dyes, perfumes and pharmaceutical intermediates. 用作染料、香料及医药中间体
	60	4-(1,1,3,3-tetramethylbutyl)phenol,(4-tert-Octylphenol) 对特辛基苯酚	1000	All products	140-66-9	205-426-2	Equivalent level of concern having probable serious effects to the environment 会对环境引起严重影响的等效物质	Widely used in the manufacture of oil-soluble phenolic resin, a surfactant, and adhesives. 广泛用于制造油性酚醛树脂、表面活性剂、粘合剂等。
	61	1,2-Dichloroethane 1,2-二氯乙烷	1000	All products	107-06-2	203-458-1	Carcinogenic 致癌	Mainly used for manufacture of other substances. Minor uses as solvent in the chemical and pharmaceutical 主要用于制造其他物质。次要用途是在化学和制药工业用作溶剂。

Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC编号	Hazard 危害	Application 应用
	62	Bis(2-methoxyethyl)ether 乙二醇二甲醚	1000	All products	111-96-6	203-924-4	toxic for reproduction 生殖毒性	Used primarily as a reaction solvent or process chemical in a wide variety of applications. Used also as solvent for battery electrolytes, and possibly in other products such as sealants, adhesives, fuels and automotive care products. 主要作为反应溶剂或在多种应用过程中的化学用。也用作溶剂电池电解液，并可能在其它产品，如密封胶，胶粘剂，燃料和汽车护理产品。
	63	Arsenic acid 砷酸、原砷酸	1000	All products	7778-39-4	231-901-9	Carcinogenic 致癌	Mainly used to remove gas bubbles from ceramic glass melt and in the production of laminated printed circuit boards. 主要用于从陶瓷玻璃熔化和层压印刷电路板的生产中去除气泡。
	64	Calcium arsenate 砷酸钙	1000	All products	7778-44-1	231-904-5	Carcinogenic 致癌	
	65	Trilead diarsenate 砷酸铅	1000	All products	3687-31-8	222-979-5	carcinogenic & toxic for reproduction 致癌和生殖毒性	Preparation for a large number of other arsenic compounds. 量用于制取其他砷化合物。
	66	N,N-dimethylacetamide(DMAC) N,N-二甲基乙酰胺 (DMAC)	1000	All products	127-19-5	204-826-4	toxic for reproduction 生殖毒性	For synthetic materials and fine organic synthesis polar solvent. 用作合成纤维的原料及有机合成的优良极性溶剂。
	67	2,2'-dichloro-4,4'-methylenedianiline(MOCA) (4,4'-二氨基-3,3'-二氯二苯甲烷 (MOCA))	1000	All products	101-14-4	202-918-9	Carcinogenic 致癌	Mainly used as curing agent in resins and in the production of polymer 作为固化剂，主要用于在树脂和生产聚合物，也用于制造其他物质。该物质可能进一步用于建筑和艺术。
	68	Phenolphthalein 酚酞	1000	All products	77-9-8	201-004-7	Carcinogenic 致癌	Mainly used as laboratory agent (in pH indicator solutions), for the production of pH-indicator paper and in medicinal products 主要用作实验室剂 (pH 指示剂溶液)，pH 指示剂的纸张的生产和药用产品。
	69	Lead diazide 叠氮化铅	1000	All products	13424-46-9	236-542-1	toxic for reproduction 生殖毒性	Mainly used as initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices. 主要用作民用和军事用途的启动器或增压器，雷管和烟火装置的引发剂。
	70	Lead styphnate 2,4,6-三硝基苯二酚铅	1000	All products	15245-44-0	239-290-0	toxic for reproduction 生殖毒性	Mainly used as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, powder actuated devices 主要用于小口径步枪弹药底漆。其他常见的用途是在烟火弹药，粉驱动装置和用于民用雷管。
	71	Lead dipicrate 苦味酸铅	1000	All products	6477-64-1	229-335-2	toxic for reproduction 生殖毒性	Lead dipicrate is an explosive like lead diazide and lead styphnate. It may be used in low amounts in detonator mixtures together with the two other mentioned lead 苦味酸铅就像叠氮化铅和史蒂芬酸铅是一种爆炸物，可与其他两种铅化合物用于雷管混合物中。
	72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 三甘醇二甲醚	1000	All products	112-49-2	203-977-3	toxic for reproduction 生殖毒性	Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals. Minor uses in brake fluids and repair of motor vehicles. 主要用于生产及工业用化学中的溶剂及加工助剂；小部分用于制动液及机动车维修。

Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC编号	Hazard 危害	Application 应用
REACH (The seventh batch)	73	1,2-dimethoxyethane;ethylene glycol dimethyl ether(EGDME) 乙二醇二甲醚	1000	All products	110-71-4	203-794-9	toxic for reproduction 生殖毒性	Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals, including use as an electrolyte solvent in lithium batteries. 主要用于生产及工业用化学中的溶剂和加工助剂；以及锂电池的电解质溶液。
	74	Diboron trioxide 三氧化二硼	1000	All products	1303-86-2	215-125-8	toxic for reproduction 生殖毒性	Used in a multitude of applications, e.g. in glass and glass fibres, frits, ceramics, flame retardants, catalysts, industrial fluids, metallurgy, nuclear, electrical equipment, adhesives, inks/paints, film developing solutions, detergents and cleaners, 被应用于诸多领域，如玻璃及玻璃纤维、釉料、陶瓷、阻燃剂、催化剂、工业流体、冶金、粘合剂、油墨及油漆、显影剂、清洁剂、生物杀虫剂等。
	75	Formamide 甲酰胺	1000	All products	1975/12/7	200-842-0	toxic for reproduction 生殖毒性	Mainly used as an intermediate in the manufacture of agrochemicals, pharmaceuticals and industrial chemicals. Minor uses as a solvent, as a laboratory reagent for quality control purposes in forensic laboratories, hospitals, pharmaceutical companies, food and drinks manufacturers and research laboratories. The substance seems to also be used as a plasticiser. 主要用作中间体。小部分用作溶剂及制药工业与化学实验室的化学试剂。未来将可能用于农药及塑化剂。
	76	Lead(II) bis (methanesulfonate) 甲磺酸铅	1000	All products	17570-76-2	401-750-5	toxic for reproduction 生殖毒性	Mainly used in plating processes (both electrolytic and electroless) for electronic components (such as printed circuit boards). The substance seems to also be used for batteries in special applications. 主要用作电子元器件(例如印刷电路板)的电镀及化学镀的镀层。
	77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione 异氰尿酸三缩水甘油酯	1000	All products	2451-62-9	219-514-3	Mutagenic 致突变	Mainly used for coating resins and curing agents, inks printed circuit board industry, electrical insulation materials 主要用于树脂及涂料固化剂、电路板印刷业的油墨、电气绝缘材料。
	78	β-TGIC(1,3,5-tris[2S and 2R]-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 易氰尿酸β-三缩水甘油酯	1000	All products	59653-74-6	423-400-0	Mutagenic 致突变	Mainly used as a solder mask ink in the EU. Also used in electrical insulation material, resin moulding systems, laminated sheeting, silk screen printing, coatings, tools, adhesives, lining materials and stabilisers for plastics. 主要用于树脂及涂料固化剂、电路板印刷业的油墨、电气绝缘材料、树脂成型系统、薄膜层、丝网印刷涂料、模具、粘合剂、纺织材料、塑料稳定剂。
	79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 米氏酮	1000	All products	90-94-8	202-027-5	Carcinogenic 致癌	Used as an intermediate in the manufacture of triphenylmethane dyes and other substances. Further potential uses include use as an additive (photosensitiser) in dyes and pigments, in dry film products and as a process chemical in the production of electronic circuit boards. 用于三苯(基)甲烷染料及其他物质制造的中间体，未来有可能作为染料及颜料的添加剂或感光剂、光阻干膜产品、电子线路板制版化学品等研究开发利用。



Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC 编号	Hazard 危害	Application 应用
	80	N,N,N',N'-tertramethyl-4,4'-methylenedianiline(Michler's base) 4,4'-对二甲氨基二苯基甲烷	1000	All products	101-61-1	202-959-2	Carcinogenic 致癌	Used as an intermediate in the manufacture of dyes and other substances 用于染料及其他物质制造的中间体; 及化学试剂的研究及发展
	81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammoniumchloride(C.I.BasicViolet3) 结晶紫;甲基紫;龙胆紫;碱性紫3	1000	All products	548-62-9	208-953-6	Carcinogenic 致癌	Used mainly for paper colouring and inks supplied in printer cartridges and ball pens. Further uses include staining of dried plants, use as a marker for increasing the visibility of liquids, staining in microbial and clinical laboratories. 主要用于关于印刷产品及书写墨水生产; 以及纸张染色挡风玻璃清洗剂的混合物生产,微生物染色和临床实验
	82	[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Blue 26) 碱性蓝 26	1000	All products	2580-56-5	219-943-6	Carcinogenic 致癌	Used in the formulation of inks, cleaners, and chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] coatings, as well as for dyeing paper, packaging, textiles, plastic products, and other types of articles. It is also used in diagnostic and analytical applications. 用于油墨、清洁剂、涂料的生产; 也用于纸张、包装、纺织、塑料等产品的着色、也应用于诊断和分析。
	83	α, α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) 溶剂蓝 4	1000	All products	6786-83-0	229-851-8	Carcinogenic 致癌	Mainly used in the formulation of printing and writing inks, for dyeing paper and in mixtures such as windscreen washing agents. 用于纺织品、皮革、纸张草制品染色。可制成色淀, 用于绘画颜料、油墨、颜色铅笔。
	84	4,4'-bis(dimethylamino)-4"- (methylamino) trityl alcohol A,A'-二[[二甲氨基)苯基]-4-甲基苯基甲醇	1000	All products	561-41-1	209-218-2	Carcinogenic 致癌	Used in the formulation of writing inks and potentially other inks, as well as for dyeing a variety of materials 用于书写墨水的生产; 未来可能用于其他墨水及诸多材料的着色
	85	Bis(pentabromophenyl) ether (DecaBDE)十溴联苯醚	1000	All products	1163-19-5	214-604-9	vPvB	flame retardants 阻燃剂
	86	Pentacosfluorotridecanoic acid 全氟十三酸	1000	All products	72629-94-8	276-745-2	vPvB	paints, paper, textiles, leather 油漆, 纸张, 纺织品, 皮革
	87	Tricosfluorododecanoic acid 全氟十二烷酸	1000	All products	307-55-1	206-203-2	vPvB	paints, paper, textiles, leather 油漆, 纸张, 纺织品, 皮革
	88	Henicosfluoroundecanoic acid 全氟十一烷酸	1000	All products	2058-94-8	218-165-4	vPvB	paints, paper, textiles, leather 油漆, 纸张, 纺织品, 皮革
	89	Heptacosfluorotetradecanoic acid 全氟十四酸	1000	All products	376-06-7	206-803-4	vPvB	paints, paper, textiles, leather 油漆, 纸张, 纺织品, 皮革
	90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (偶氮[二]甲酰胺)	1000	All products	123-77-3	204-650-8	Equivalent level of concern having probable serious effects to human health 可能对人体健康产生危害	polymer, glue, inks 聚合物, 胶水, 墨水
	91	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] 六氢苯二甲酸酐	1000	All products	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	Equivalent level of concern having probable serious effects to human health 可能对人体健康产生危害	intermediates, resin modifier and epoxy resin curing agent 中间体, 树脂改性剂和环氧树脂固化剂
	92	Hexahydromethylphthalic anhydride 甲基六氢苯酐 Hexahydro-4-methylphthalic anhydride 4-甲基六氢苯酐 Hexahydro-1-methylphthalic anhydride 1-甲基六氢苯酐 Hexahydro-3-methylphthalic anhydride 3-甲基六氢苯酐	1000	All products	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	Equivalent level of concern having probable serious effects to human health 可能对人体健康产生危害	synthesis manufacture, rubbers, polymers 生产树脂, 橡胶, 聚合物
	93	4-Nonylphenol, branched and linear 4-壬基(支链与直链)苯酚	1000	All products	/	/		
	94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues 辛基酚聚醚-9, 包括界定明确的物质以及UVCB物质、聚合物和同系物	1000	All products	/	/		



Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC编号	Hazard 危害	Application 应用
REACH (The eighth batch)	95	Methoxy acetic acid 甲氧基乙酸	1000	All products	625-45-6	210-894-6	Toxic for reproduction 生殖毒性	intermediates 中间体
	96	N,N-dimethylformamide N,N-二甲基甲酰胺	1000	All products	68-12-2	200-679-5	Toxic for reproduction 生殖毒性	leather, PCB 皮革, 印刷电路板
	97	Dibutyltin dichloride (DBT) 二丁基锡	1000	All products	683-18-1	211-670-0	Toxic for reproduction 生殖毒性	textiles, plastic, rubbers 纺织品和塑胶, 橡胶制品
	98	Lead monoxide (Lead oxide) 氧化铅	1000	All products	1317-36-8	215-267-0	Toxic for reproduction 生殖毒性	glass products, ceramics, pigments, rubbers 玻璃制品, 陶瓷, 颜料, 橡胶
	99	Orange lead (Lead tetroxide) 四氧化三铅	1000	All products	1314-41-6	215-235-6	Toxic for reproduction 生殖毒性	glass products, ceramics, pigments, rubbers 玻璃制品, 陶瓷, 颜料, 橡胶
	100	Lead bis(tetrafluoroborate) 四氟硼酸铅(II)	1000	All products	13814-96-5	237-486-0	Toxic for reproduction 生殖毒性	electro-plating, welding, analytical reagent 电镀, 焊接, 分析试剂
	101	Trilead bis (carbonate)dihydroxide 碱式碳酸铅	1000	All products	1319-46-6	215-290-6	Toxic for reproduction 生殖毒性	paints, coatings, inks, and plastic 油漆, 涂料, 油墨, 塑胶制品
	102	Lead titanium trioxide 钛酸铅	1000	All products	12060-00-3	235-038-9	Toxic for reproduction 生殖毒性	Semiconductors, coatings, electronic ceramic filter 半导体, 涂料, 电子陶瓷滤波器
	103	Lead Titanium Zirconium Oxide 钛酸铅锆	1000	All products	12626-81-2	235-727-4	Toxic for reproduction 生殖毒性	Optical products, electronic products, electronic ceramic parts 光学产品, 电子产品, 电子陶瓷零件
	104	Silicic acid, lead salt 硅酸铅	1000	All products	11120-22-2	234-363-3	Toxic for reproduction 生殖毒性	glass and enamel 玻璃搪瓷制品
	105	Silicic acid, barium salt, lead-doped 含铅的硅酸钡	1000	All products	68784-75-8	272-271-5	Toxic for reproduction 生殖毒性	glass products 玻璃制品
	106	1-bromopropane (n-propyl bromide) 正丙基溴	1000	All products	106-94-5	203-445-0	Toxic for reproduction 生殖毒性	medication, dyes, aromatizer, intermediate 药物, 染料, 香料, 中间体
	107	Methyloxirane (Propylene oxide) 环氧丙烷	1000	All products	75-56-9	200-879-2	Carcinogenic ; Mutagenic 致癌, 致突变	intermediates 中间体
	108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 支链和直链1,2-苯二羧二戊酯	1000	All products	84777-06-0	284-032-2	Toxic for reproduction 生殖毒性	plasticizer 增塑剂
	109	Diisopentylphthalate (DIPP) 邻苯二甲酸二异戊酯	1000	All products	605-50-5	210-088-4	Toxic for reproduction 生殖毒性	plasticizer 增塑剂
	110	N-pentyl-isopentylphthalate 邻苯二甲酸正戊基异戊基酯	1000	All products	776297-69-9		Toxic for reproduction 生殖毒性	plasticizer 增塑剂
	111	1,2-Diethoxyethane 乙二醇二乙醚	1000	All products	629-14-1	211-076-1	Toxic for reproduction 生殖毒性	paint, inks, intermediate 油漆, 油墨, 中间体
	112	Acetic acid, lead salt, basic 碱式乙酸铅	1000	All products	51404-69-4	257-175-3	Toxic for reproduction 生殖毒性	paints, coatings, paint strippers, thinners 油漆, 涂层, 脱漆剂, 稀释剂
	113	lead oxide sulphate 碱式硫酸铅	1000	All products	12036-76-9	234-853-7	Toxic for reproduction 生殖毒性	plastic 塑胶制品
	114	[Phthalato(2-)]dioxotrilead 二盐基邻苯二甲酸铅	1000	All products	69011-06-9	273-688-5	Toxic for reproduction 生殖毒性	plastic 塑胶制品
	115	Dioxobis(stearato)trilead 双(十八酸基)二氧代三铅	1000	All products	12578-12-0	235-702-8	Toxic for reproduction 生殖毒性	plastic 塑胶制品
	116	Fatty acids, C16-18, lead salts C16-18-脂肪酸铅盐	1000	All products	91031-62-8	292-966-7	Toxic for reproduction 生殖毒性	plastic 塑胶制品
	117	Lead cyanamidate 氨基氰铅盐	1000	All products	20837-86-9	244-073-9	Toxic for reproduction 生殖毒性	antirust 防锈
	118	Lead dinitrate 硝酸铅	1000	All products	10099-74-8	233-245-9	Toxic for reproduction 生殖毒性	dyes, leather, pigments 染料, 皮革, 颜料
	119	Pentalead tetraoxide sulphate 氧化铅与硫酸铅的复合物	1000	All products	12065-90-6	235-067-7	Toxic for reproduction 生殖毒性	plastic, battery 塑胶制品, 电池
	120	Pyrochlore, antimony lead yellow 颜料黄41	1000	All products	8012-00-8	232-382-1	Toxic for reproduction 生殖毒性	paints, coatings, glass, ceramics 油漆, 涂层, 玻璃陶瓷制品
	121	Sulfurous acid, lead salt, dibasic 亚硫酸铅(II)	1000	All products	62229-08-7	263-467-1	Toxic for reproduction 生殖毒性	glass and enamel 玻璃搪瓷制品
122	Tetraethyllead 四乙基铅	1000	All products	78-00-2	201-075-4	Toxic for reproduction 生殖毒性	fuel additive 燃油添加剂	
123	Tetralead trioxide sulphate 三碱式硫酸铅	1000	All products	12202-17-4	235-380-9	Toxic for reproduction 生殖毒性	pigments, plastic, battery 颜料, 塑胶制品, 电池	
124	Trilead dioxide phosphonate 磷酸氧化铅	1000	All products	12141-20-7	235-252-2	Toxic for reproduction 生殖毒性	stabilizer for plastic 塑料的稳定剂	
125	Furan 呋喃	1000	All products	110-00-9	203-727-3	Carcinogenic 致癌	solvents, organic synthesis 溶剂, 有机合成	
126	Diethyl sulphate 硫酸二乙酯	1000	All products	64-67-5	200-589-6	Carcinogenic ; Mutagenic 致癌, 致突变	for manufacture of dyes and polymer 生产染料, 聚合物	
127	Dimethyl sulphate 硫酸二甲酯	1000	All products	77-78-1	201-058-1	Carcinogenic 致癌	for manufacture of dyes and polymer 生产染料, 聚合物	

Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC 编号	Hazard 危害	Application 应用
	128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	1000	All products	143860-04-2	421-150-7	Toxic for reproduction 生殖毒性	/
	129	Dinoseb (6-sec-butyl-2,4-dinitrophenol) 地乐酚(4,6-二硝基-2-仲丁基苯酚)	1000	All products	88-85-7	201-861-7	Toxic for reproduction 生殖毒性	Inhibitor of styrene and intermediate of pesticide. 用作苯乙烯阻聚剂及农药中间体
	130	4,4'-methylene-di-o-toluidine 4,4'-二氨基-3,3'-二甲基二苯甲烷	1000	All products	838-88-0	212-658-8	Carcinogenic 致癌	Insulating material, a polyurethane adhesive, an epoxy curing agent 绝缘材料, 聚氨酯粘合剂, 环氧树脂固化剂
	131	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚	1000	All products	101-80-4	202-977-0	Carcinogenic ; Mutagenic 致癌, 致突变	an intermediate of dyes, resin synthesis 染料中间体, 树脂合成
	132	4-aminoazobenzene 4-氨基偶氮基苯胺	1000	All products	60-09-3	200-453-6	Carcinogenic 致癌	an intermediate of dyes 染料中间体
	133	4-methyl-m-phenylenediamine (toluene-2,4-diamine) 2,4-二氨基甲苯	1000	All products	95-80-7	202-453-1	Carcinogenic 致癌	dyes, intermediates for pharmacy and other organic synthesis 染料, 医药中间体及其他有机合成
	134	6-methoxy-m-toluidine (p-cresidine) 3-甲基-6-甲氧基苯胺	1000	All products	120-71-8	204-419-1	Carcinogenic 致癌	intermediates, dyes synthesis 中间体, 染料合成
	135	Biphenyl-4-ylamine 4-氨基联苯	1000	All products	92-67-1	202-177-1	Carcinogenic 致癌	intermediates for dyes and pesticides 染料和农药中间体
	136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)] 邻氨基偶氮甲苯	1000	All products	97-56-3	202-591-2	Carcinogenic 致癌	intermediates for dyes and pesticides 染料和农药中间体
	137	o-Toluidine 邻甲基苯胺	1000	All products	95-53-4	202-429-0	Carcinogenic 致癌	intermediates for dyes and pesticides 染料和农药中间体
	138	N-methylacetamide N-甲基乙酰胺	1000	All products	79-16-3	201-182-6	Toxic for reproduction 生殖毒性	intermediates 中间体
REACH (The ninth batch)	139	Cadmium 镉	1000	All products	231-152-8	7440-43-9	Carcinogenic ; Equivalent level of concern having probable serious effects to human health 致癌, 会对人类引起严重影响的等效物质	battery electrodes; anti-corrosion coating; catalyst alloy and the solar cell; pigments; plastics and polymer stabilizer 电池电极; 防腐蚀涂层; 催化剂、合金和太阳能电池; 颜料; 塑料和聚合物的稳定剂
	140	Cadmium oxide 氧化镉	1000	All products	215-146-2	1306-19-0	Carcinogenic ; Equivalent level of concern having probable serious effects to human health 致癌, 会对人类引起严重影响的等效物质	电池电极; 生产防腐蚀涂层; 催化剂、颜料和陶瓷釉料; 玻璃、合金和光电子器件; 增强聚合物的抗热性 Battery electrode; effects on kidney and bone) anti-corrosion coating; catalysts, pigments and ceramic glazes; glass, alloy and optoelectronic devices; reinforced polymer heat resistance
	141	Dipentyl phthalate(DPP) 邻苯二甲酸二正戊酯	1000	All products	205-017-9	131-18-0	Toxic for reproduction 生殖毒性	Plasticizers in PVC PVC 中的塑化剂
	142	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]/乙氧基化的支链和直链的4-壬基酚(直链和/或支链的具有9个碳原子的烷基链共价键合在4位的乙氧基酚, 囊括了UVCB和定义明确的物质, 聚合物及同系物, 其中包括任何单独的异构体和/或它们的组合)	1000	All products	-	-	Equivalent level of concern having probable serious effects to the environment (due to the endocrine disrupting -- 会对环境引起严重影响的等效物质(由于降解产物的内分泌干扰性))	Mining; detergent; paints, coatings and varnishes; leather and textile processing 采矿; 洗涤剂; 油漆、涂料和清漆; 皮革和纺织品加工
	143	Ammonium pentadecafluorooctanoate (APFO) 十五代氟辛酸铵盐	1000	All products	223-320-4	3825-26-1	Toxic for reproduction 生殖毒性	Fluoropolymer and a fluorine rubber production; non-stick cookware production emulsifier 含氟聚合物和氟橡胶的生产; 不粘厨具生产中的乳化剂
	144	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸	1000	All products	206-397-9	335-67-1	Toxic for reproduction 生殖毒性	Fluoropolymer and a fluorine rubber production; non-stick cookware production emulsifier 含氟聚合物和氟橡胶的生产; 不粘厨具生产中的乳化剂
REACH (The tenth)	145	Cadmium sulphide	1000	All products	1306-23-6	215-147-8	Carcinogenic ; Equivalent level of concern having probable serious effects to human health 致癌, 会对人类引起严重影响的等效物质	Pigment, used as colorant for enamel, ceramics, glass, plastic and ink. 颜料, 用于搪瓷、玻璃、陶瓷、塑料、油漆着色。
	146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	1000	All products	573-58-0	209-358-4	Carcinogenic 致癌	Dyes for viscose, cotton, linen, silk and other textile dyeing and paper products; and laboratory indicators 染料, 用于粘胶、棉、麻、丝等纺织和纸制品染色; 及实验室指示剂
	147	Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1000	All products	1937-37-7	217-710-3	Carcinogenic 致癌	Mainly used for cotton, linen, rayon and other cellulose fiber dyeing and weaving and printing.

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batch)	148	Dihexyl phthalate 邻苯二甲酸二己酯	1000	All products	84-75-3	201-559-5	Toxic for reproduction 生殖毒性	Plasticizer 增塑剂
	149	Imidazolidine-2-thione (2-imidazoline-2-thiol) 1,2-亚乙基硫脲	1000	All products	96-45-7	202-506-9	Toxic for reproduction 生殖毒性	Accelerators for rubber synthetic. 用作合成橡胶的促进剂
	150	Lead di(acetate) 乙酸铅	1000	All products	301-04-2	206-104-4	Toxic for reproduction 生殖毒性	Preparation of various solvents lead salt, paint, water repellent, paint filler, paint desiccant, fiber stains and heavy metals cyanide process. 用于制备各种铅盐、抗污涂料、水质防护剂、颜料填充剂、涂料干燥剂、纤维染色剂以及重金属氰化过程的溶剂。
	151	Trixylyl phosphate 磷酸三(二甲苯)酯	1000	All products	25155-23-1	246-677-8	生殖毒性 Toxic for reproduction	Fire retardant and plasticizer 阻燃剂和增塑剂
REACH (The eleventh batch)	152	Cadmium chloride 氯化镉	1000	All products	10108-64-2	233-296-7	Carcinogenic; Mutagenic; Toxic for reproduction; Equivalent level of concern having probable serious effects to human health 致癌；致畸； 生殖毒性；会对人类健康产生严重危害的类似属性物质	Used in the manufacture of photographic paper and carbon Pharmacy, cadmium batteries, but also can be used as a ceramic glaze, synthetic fibers and optical mirrors auxiliaries credit agent 用于制造照相纸和复写纸的药剂、镉电池，还可用作陶瓷釉彩、合成纤维印染助剂和光学镜子的增光剂
	153	1,2-Benzenedicarboxylic acid, dihexyl ester, 邻苯二甲酸二己酯，支链和直链	1000	All products	68515-50-4	271-093-5	Toxic for reproduction 生殖毒性	plasticizer 增塑剂
	154	Sodium peroxometaborate 过硼酸钠	1000	All products	7632/4/4	231-556-4	Toxic for reproduction 生殖毒性	Used as disinfectant, fungicide, mordant, detergents, etc 用作消毒剂、杀菌剂、媒染剂、洗涤剂
	155	Sodium perborate; perboric acid, sodium salt 过硼酸钠；过硼酸钠盐	1000	All products	234-390-0	239-172-9	Toxic for reproduction 生殖毒性	Used as the oxidant of Indanthrene chromogenic dye and the original fabric bleach. As a disinfectant and fungicide on medicine. Also used as mordant, detergent, deodorant additive plating solution, analytical reagents, organic synthesis and the production of polymeric agents such as toothpaste and other cosmetics 常用作阴丹士林染料显色的氧化剂和原布漂白。医药上作为消毒剂和杀菌剂。也可用作媒染剂、洗涤剂、脱臭剂、电镀溶液的添加剂、分析试剂、有机合成聚合剂以及制作牙膏等化妆品
REACH (The twelfth batch)	156	Cadmium fluoride 氯化镉	1000	All products	232-222-0	7790-79-6	致癌性、致突变性、生殖毒性、同等关注物质 可能对人体健康有严重危害	磷光体、核反应堆中子吸收剂、有机合成和脱蜡的催化剂、NH4ClO4的分解抑制剂，还可用于制荧光粉、玻璃、阴极射线管和激光晶体。
	157	Cadmium sulphate 硫酸镉	1000	All products	233-331-6	10124-36-4 31119-53-6	致癌性、致突变性、生殖毒性、同等关注物质 可能对人体健康有严重危害	塑料工业中用作聚氯乙烯的防老剂。电池工业中用作镉电池、韦斯顿电池和其他标准电池中的电解质。医药工业中用作角膜炎等洗眼水中的防腐剂 and 收敛剂。化学分析中，用作马氏试剂法中的催化剂，用于检测硫化氢和反丁烯二酸；还用于标准镉元素和其他镉盐的制造。也用于镉肥生产。
	158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol 2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑； 紫外线吸收剂UV-320	1000	All products	223-346-6	3846-71-7	PBT, vPvB	用于塑料和其他有机物中，如不饱和聚酯、PVC、PVC增塑剂等，属于光稳定剂。
	159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol 2-(3,5-二叔戊基-2-羟苯基)苯并三唑； 紫外线吸收剂UV-328	1000	All products	247-384-8	25973-55-1	PBT, vPvB	适用于聚烯烃(特别是聚氯乙烯)、聚酯、苯乙烯类、聚酰胺、聚碳酸酯等聚合物
	160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) 二正辛基-双(癸乙酸-2-乙基己酯)锡	1000	All products	239-622-4	15571-58-1	Toxic for reproduction 生殖毒性	聚氯乙烯稳定剂，适用于硬质和软质制品，有一定的增塑作用。
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate DOTE与MOTE的反应产物	1000	All products	-	-	Toxic for reproduction 生殖毒性	塑料稳定剂。	
REACH	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) 1,2-苯二甲酸，二(C6-10)烷基酯 / 1,2-苯二甲酸，混合二己二辛二癸酯，其中邻苯二甲酸二己酯含量 0.3%	1000	All products	68515-51-5 68648-93-1	271-094-0 272-013-1	Toxic for reproduction 生殖毒性	增塑剂、润滑油

Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC 编号	Hazard 危害	Application 应用
(The thirteenth batch)	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof] 5-二叔丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二噁烷 [1], 5-二叔丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二噁烷 [2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]	1000	All products	-	-	强持久性、强生物累积性 Strong persistence, strong biological tired multiplicative	香料成分
	164	nitrobenzene 硝基苯	1000	All products	202-716-0	98-95-3	Toxic for reproduction 生殖毒性	生产其他物质的中间体
REACH (The Fourteenth batch)	165	2, 4-2 - tert-butyl - 6 - (5 - chloro - 2 h - benzotriazole - 2 - ) phenol (UV - 327) 2,4-二叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚(UV-327)	1000	All products	223-383-8	3864-99-1	强持久性、强生物累积性 Strong persistence, strong biological tired multiplicative	用作涂层、塑料、橡胶以及化妆品的防紫外线剂
	166	2 - (2' - hydroxy - 3 - isobutyl - 5' - tert-butyl phenyl) benzotriazole (UV - 350) 2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑(UV-350)	1000	All products	503-037-1	36437-37-3	强持久性、强生物累积性 Strong persistence, strong biological tired multiplicative	用作涂层、塑料、橡胶以及化妆品的防紫外线剂
	167	1, 3 - propane sulfonic lactone 1,3-丙烷磺内酯	1000	All products	214-317-9	1120-71-4	强持久性、强生物累积性 Strong persistence, strong biological tired multiplicative	锂离子电池的电解液
	168	Perfluorinated pelargonic acid and sodium and ammonium salt 全氟壬酸及其钠和铵盐	1000	All products	206-801-3	375-95-1 21049-39-8 4149-60-4	强持久性、强生物累积性 Strong persistence, strong biological tired multiplicative	含氟聚合物加工助剂、润滑油添加剂、灭火器表面活性剂、清洗剂、纺织品防污整理剂、抛光表面活性剂、防水和液晶显示屏中
REACH (The Fifteenth batch)	169	BaP 苯并花	1000	All products	50-32-8	200-028-5	强持久性、强生物累积性 Strong persistence, strong biological tired multiplicative Toxic for reproduction 生殖毒性	非有意添加，一般作为生产过程的副产品或杂志存在，比如废气
RoHS 2.0	1	Cd 镉	100	All products	7440-43-9	-	Carcinogenic 致癌	合金颜料、塑料稳定剂、(电视映像管)荧光粉、杀虫剂、杀菌剂、油漆
	2	Pb 铅	1000	All products	7439-92-1	-	having probable serious effects to human health 严重影响人类健康	Mainly used for cable, storage battery, monotype die-casting alloy, Babbitt, anti X ray, beta ray 主要用作电缆、蓄电池、铸字合金、巴氏合金、防X射线, β射线
	3	Hg 汞	1000	All products	7439-97-6	-	having probable serious effects to human health 严重影响人类健康	Mainly used for thermometers, pesticides, cosmetics, fluorescent lamp 主要用作温度计, 杀虫剂, 化妆品, 日光灯
	4	Cr6+ 六价铬	1000	All products	18540-29-9	-	Carcinogenic 致癌	Chromic acid, colorants, preservatives 铬酸, 着色剂, 防腐剂
	5	PBDEs 多溴联苯醚	1000	All products	-	-	having probable serious effects to human health 严重影响人类健康	Flame retardant 阻燃剂
	6	PBBs 多溴联苯	1000	All products	-	-	having probable serious effects to human health 严重影响人类健康	Flame retardant 阻燃剂
	7	DEHP 邻苯二甲酸二(2-乙基己基)酯	1000	All products	117-81-7	-		
	8	BBP 邻苯二甲酸甲苯基丁酯	1000	All products	85-68-7	-	having probable serious effects to human health 严重影响人类健康	作为增塑剂应用于电线电缆, 油墨油漆, 塑料等各种材料中 As the plasticizer used in a variety of wire and cable materials, ink paint, plastics, etc.
	9	DBP 邻苯二甲酸二丁基酯	1000	All products	84-74-2	-		
	10	DIBP 邻苯二甲酸二异丁酯	1000	All products	84-69-5	-		
94/62/EC	1	Pb+Hg+Cd+Cr6+ 总含量	100	Packing	-	-	having probable serious effects to human health 严重影响人类健康	Sheet, pipe, sole, toys, electric wire sheath, stationery, packing box etc.. 板材、管材、鞋底、玩具、电线外皮、文具、包装盒等。
Halogen	1	Br 溴总含量	900	All products	7726-95-6	-	having probable serious effects to human health 严重影响人类健康	PCB,plastic,fire retardant PCB 塑料, 阻燃剂
	2	Cl 氯总含量	900	All products	7782-50-5	-	having probable serious effects to human health 严重影响人类健康	PCB,plastic,fire retardant PCB 塑料, 阻燃剂
	3	Br 溴+Cl 氯	1500	All products	7726-95-6 7782-50-5	-	having probable serious effects to human health 严重影响人类健康	PCB,plastic,fire retardant PCB 塑料, 阻燃剂
	1	PFOS 全氟辛烷磺酸	ND	All products	-	-	having probable serious effects to human health 严重影响人类健康	Used for surface treatment 用于表面处理

Rule	No.	Substances Name 物质名称	Limit (PPM) 限值	Scope 范围	CAS No. CAS 编号	EC No. EC编号	Hazard 危害	Application 应用
Other substance	2	PVC 聚氯乙烯及聚氯乙烯混合物	ND	Packing	9002-86-2	-	having probable serious effects to human health 严重影响人类健康	Sheet, pipe, sole, toys, windows and doors, electric wire sheath, stationery, packing box etc. 板材、管材、鞋底、玩具、门窗、电线外皮、文具、包装盒等。
	3	PAHs 多环芳香烃	ND	All products	refer go comments		Carcinogenic 致癌	Coal, oil, tar and pitch 煤、石油、焦油和沥青
	4	As 砷及其化合物	ND	All products	-	-	having probable serious effects to human health 严重影响人类健康	Herbicide, rodenticide, paint, wallpaper, pottery, pesticides, preservatives, dyes 除草剂、杀鼠药、涂料、壁纸、陶器、农药、防腐剂、染料
	5	TPT 三苯基锡	ND	All products	688-34-8	-	Environmental pollution 环境污染	PVC stabilizer, plasticizer, polymerization catalyst, insecticide PVC的稳定剂、增塑剂、聚合催化剂、杀虫剂
	6	Azo compounds 偶氮化合物	ND	All products	-	-	having probable serious effects to human health 严重影响人类健康	Leather, textile 皮革、纺织品
	7	Asbestos and its compounds 石棉及其化合物	ND	All products	1332-21-4	-	Carcinogenic 致癌	Textile, construction, fire prevention materials 纺织, 建筑, 防火材料
	8	Radioactive substances 放射性物质	ND	All products	-	-	Mutagenic 致突变	Industrial, medical, military, nuclear submarines, the radiation source 工业、医疗、军队、核潜艇, 放射源
	9	Formaldehyde 甲醛	ND	All products	50-00-0	-	having probable serious effects to human health 严重影响人类健康	For the production of urea formaldehyde resin and phenolic resin 用于生产脲醛树脂及酚醛树脂
	10	HCFCs 含氯氟烃	ND	All products	-	-	Destroy the ozone layer 破坏臭氧层	Cleaning agents, refrigerants, foaming agents, anticoagulant 清洁剂, 冷冻剂, 发泡剂, 抗凝剂
	11	CFCs 全氯氟烃	ND	All products	-	-	Destroy the ozone layer 破坏臭氧层	Cleaning agents, refrigerants, foaming agents, anticoagulant 清洁剂, 冷冻剂, 发泡剂, 抗凝剂
	12	Beryllium and its compounds 铍及其化合物	ND	All products	-	-	having probable serious effects to human health 严重影响人类健康	Refractory material 耐火材料
	13	Chlorinated hydrocarbons 氯化烃	ND	All products	-	-	having probable serious effects to human health 严重影响人类健康	Fire extinguishing agent, refrigerant, insecticide 灭火剂, 冷冻剂, 杀虫剂
	14	Phthalic acid salts 邻苯二甲酸盐类	ND	All products	-	-	having probable serious effects to human health 严重影响人类健康	PVC plastic, ink, paint, wire, chemical, toys, textiles and leather PVC塑料, 油墨, 涂料, 线材, 化工, 玩具, 纺织品皮革
	15	Bismuth and its compounds 铋及其化合物	ND	All products	-	-	having probable serious effects to human health 严重影响人类健康	Fusible alloy 易熔合金
	16	Benzene 苯及化合物	ND	All products	71-43-2	-	having probable serious effects to human health 严重影响人类健康	Medicine, light industry, rubber products, detergents, pesticides, paint strippers, ink, automotive additive 医药、轻工, 橡胶制品, 洗涤剂、杀虫剂, 油漆清除剂, 油墨, 汽车添加剂